

LIAM DUNCAN

Software Engineer

linkedin.com/in/liamduncan

liammduncan@protonmail.com

+1 250-863-1803

EXPERIENCE

Software Developer

Feb 2025 – Jul 2025

Float Financial

- Modernized a \$100M+ payments API, migrating from Django DRF to Pydantic services and implementing Template Method, Strategy, and Policy design patterns to decouple domain logic and enable faster delivery of new payout workflows. (*Python, Django*)
- Improved customer satisfaction by cutting payments endpoint response times by over 50%, optimizing queries and backend logic to handle high-volume data retrieval smoothly.

Career Break

Jan 2024 – Jan 2025

- Took a year-long career break to travel across four continents and 15+ countries, gaining valuable global insights and renewed energy.

Engineering Technical Lead & Manager

Nov 2021 – Jan 2024

Senior Software Developer

Jul 2021 – Nov 2021

Moves Financial

- Led Moves' banking vertical team and owned the app and system that supports banking functionality. (*React Native, Node.js, Express.js, Redis, MongoDB*)
- Architected and developed dozens of microservices that processed millions of dollars of members' funds leveraging distributed event streaming and Unit banking as a service. (*Redis Streams, MongoDB CDCs*)
- Successfully constructed cash advance products, increasing their gross margin by over 200 points.
- Assembled a cohesive and productive engineering team - received 4.8/5 on manager feedback reports.

Senior Software Developer

Oct 2020 – Jul 2021

Software Developer

Jul 2018 – Oct 2020

Software Developer Intern

May 2017 – Sep 2017

Konrad

- Swiftly promoted to senior by displaying knowledge, productivity and leadership.
- Led in the architecture and construction of a collection of applications as part of a multi-million dollar custom e-commerce solution. (*React, Apollo, NestJs, GraphQL, PostgreSQL, Jest, Puppeteer*)
- Worked on a set of big data microservices in the financial sector, processing millions of transactions, implementing graph theory and machine learning to determine validity and detect fraud. (*Node.js, Express, PostgreSQL, FlywayDB, Mocha, Chai*)
- Consulted on the improvement of a progressive hybrid web app for the sales department of a financial client by providing external insight into practices and decisions of the team, as well as aiding in the development. (*React, Webpack, Cordova*)
- Created and maintained CI/CD pipelines and highly scalable containerized deployment environments across multiple projects. (*GitLab CICD, Kubernetes, Openshift, Docker*)
- Conduct interviews as part of the company's hiring team.
- Mentor developers through weekly meetings, review sessions, and pair programming.
- Research emerging technologies, documenting findings in a shared knowledge repository.
- Prepare and present educational Power Hours to the company's development team.
- Collaborate with clients, developers, designers, consultants, PMs, and QAs.

Software Developer

Sep 2018 – Oct 2019

BrainStation

- Worked with a team developing and maintaining a suite of LMS, CRM, and CMS applications used in the training of over 100k professionals. (*React, Redux, C#, .NET, SQL*)
- Built a videotelephony web application to host online classrooms, replacing Zoom. (*Amazon Chime SDK, React, .NET*)
- Developed the marketing website improving reach, lead conversion rate, and data collection.
- Constructed analytical tools mining data that are now part of the sales team's daily practices.
- Introduced new features implementing API integrations. (*SendGrid, Salesforce, Intercom, Google*).
- Employed DevOps practices and Agile methodologies alongside the usage of Gitlab, Jira, Confluence, Zeplin, Figma, AWS, and Raygun to efficiently produce product value in biweekly releases.

EDUCATION

Western University

2014 - 2018

Bachelor of Engineering Science in Software Engineering

Dean's List Award

PERSONAL PORTFOLIO

LifeLine

2017

Delta Hacks 3

Best hardware hack, 2nd place overall

- Drowsy driving combatant headpiece (*Arduino, Go*) and Android application (*Java*).

WRCStats

2017

- Web application displaying Western Recreation Center attendance and analytics obtained through the use of Twitter's API and web scraping. (*MongoDB, Express, Angular, Node.js, Cheerio*)

SKILLS

JavaScript, TypeScript
Node.js, React, Angular

Python, Django
PostgreSQL, MongoDB

Jest, Mocha
AWS, Docker, Kubernetes

C#, .NET
OpenAI API

References will be sent directly upon request